RE3500: Rugged Small Form Factor

Integrated solution for receiving, classifying, and processing data

The RE3500 was designed to create operator situational awareness using AI image recognition and enables AI-based computer vision applications at the tactical edge. It performs tasks like image classification, image segmentation, object detection, and more.

Designed for forward deployed harsh operations, the RE3500 is waterproof, splash proof, and shock resistant. This rugged embedded server is integrated with the NVIDIA Jetson AGX Orin module, which allows for fast data entry with AI processing and multiple display outputs.

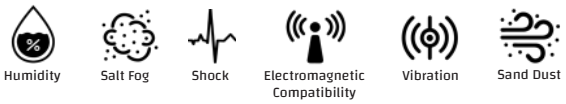
Key features

- Small form factor
- IP67, sealed for amphibious operations
- I/O for operator situational awareness and long-range identify
- 28VDC MIL PWR
- Performance:
  - Drives 4x4K displays
  - 275 TOPS, 12 Core Arm Cortex CPU, 2048 Ampere Cores, 64 Tensor Cores
  - 1x MiniDP 1.4a
  - 2x 1G Ethernet
  - 2x 10G Ethernet
  - 2x USB 3.2 Gen2
- Optional adapter cables available

Mechanical specs

- Dimensions: 9" x 10" x 2.4"
- Weight: 9.6 lbs
- Power: 28 VDC

Designed to MIL-STD-810



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